Use a Rule to Make a Word

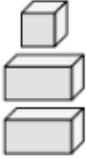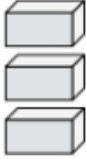The words in the second set follow the same pattern as the words in the first set. Find the missing word to complete the set.
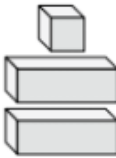
Look at this example:
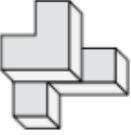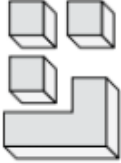
sum (sun) pin   sip (__sit__) cat

1. big (bin) tin   sad (sag) dig

2. fan (ant) tap   gel (elk) koi

3. mark (tar) tell   fort (nor) name

4. pile (top) atom   note (can) scar

5. fall (lit) sift   time (map) carp

6. bust (tub) trim   dump (bud) base

7. part (eat) tune   dark (lad) deal

8. miss (sin) dune   redo (den) tank

9. rain (kin) rank   main (tin) mist

10. mile (lit) bits   mask (_____) tide
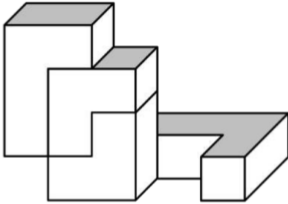
Spatial Reasoning - 3D Building Blocks

3.

a   b   c   d   e (___)

4.

a   b   c   d   e (___)

ial Reasoning

5.
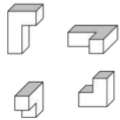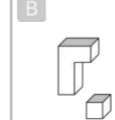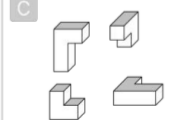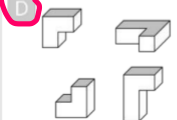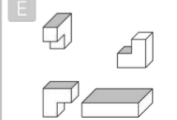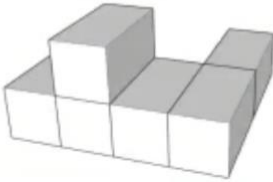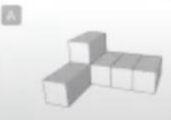
a   b   c   d   e (___)

. This shape is made out of blocks.

If none of the blocks have been rotated, which set of blocks could have made it?

A   B   C   D   E

3D Rotation

A   B   C   D   E

a   b   c   d

6.

7.   (__)

(__)

8.

9.

(__)   (__)

a)   b)   c)   d)   e)   f)

a)   b)   c)   d)   e)   f)

a)   b)   c)   d)   e)   f)

a)   b)   c)   d)   e)   f)

Maths Perimeter and Area

Shown below is a square.

3cm   Not drawn accurately

=12cm
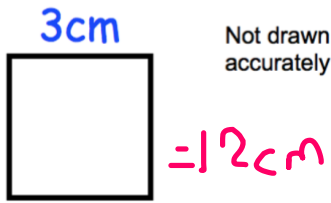
Work out the perimeter of the square.

Shown below is an isosceles triangle.

9cm   9cm

=22cm

4cm
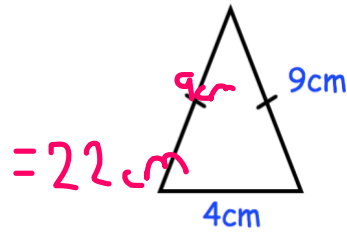
Calculate the perimeter of the triangle.

A rectangle has a perimeter of 32cm.

Write down a possible pair of values for its length and width.

10   9
6 ___ 6   7 ___ 7
10   9

A rectangle has a perimeter of 20cm.

Write down a possible pair of values for its length and width.

6   7
4 ___ 4   3 ___ 3
6   7

9cm

2cm

6cm   5cm

4cm

4cm   =30cm
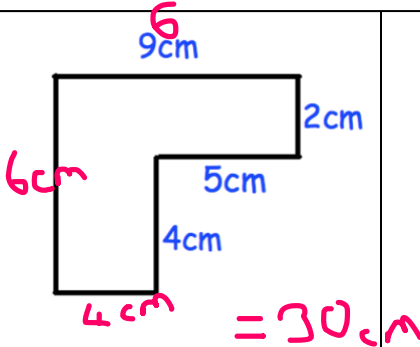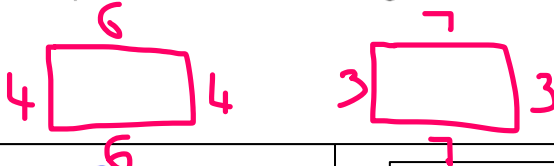
Calculate the perimeter of the shape above.

The perimeter of a parallelogram is 17cm.
The length of each long side is 5cm.

5

3.5   3.5

5
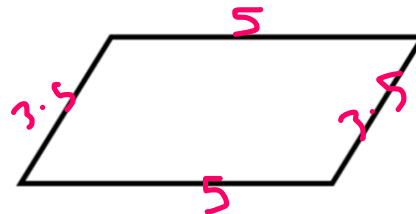
Work out the length of each short side.

3cm

5

8cm

4   3cm

30cm

7cm
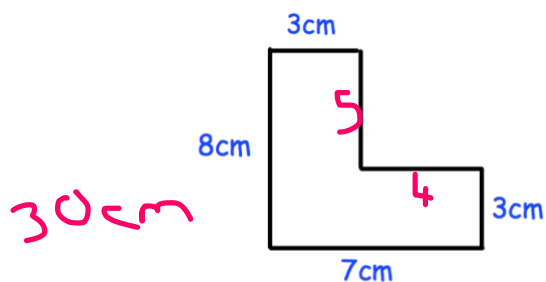
Calculate the perimeter of the shape above.

Shown below is a rectangle.

Not drawn accurately

6cm

2   2cm

6

=14cm

Work out the perimeter of the rectangle.

Question 1: Calculate the area of each of these rectangles

(a)
9cm
45 5cm

(b)
8cm
56 7cm

(c)
12cm
24 2cm

(d)
3cm
45 15cm

(e)
20cm
220 11cm

(f)
25cm
250 10cm

(g)
14cm
56 4cm

(h)
50cm
1000 20cm

(i)
3m **24** 8m

(j)
12 miles
18 miles **216**

(k)
5mm **165** 33mm

(l)
65cm
585 9cm

Question 2: Work out the area of each of these squares

(a)
7cm
49

(b)
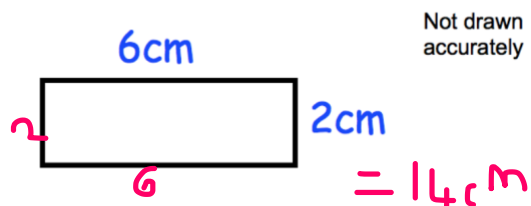**80**
20cm

(c)
36 9mm

(d)
14cm
56

Question 1: A farmer has a field that is 300m long and 70m wide.
Calculate the area of the field.
21,000 m²

Question 2: A piece of paper has a length of 18cm and a width of 6cm.
Find the area of paper. **108 cm²**

Question 3: A rectangle has an area of 30cm²
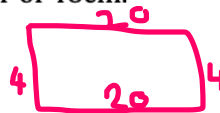Write down the length and width of **three** rectangles with an area of 30cm²
90cm²

Question 4: These two rectangles have the same area.
Find the length of the second rectangle.

8cm
5cm **40**

20x cm
2cm

Question 5: A rectangle has an area of 80cm² and a perimeter of 48cm.
Find the length and width of the rectangle.
20
4 **20** 4

Question 6: A rectangle has an area of 100cm² and a perimeter of 104cm.
Find the length and width of the rectangle.
50
2 **50** 2